

STATE OF VERMONT
PUBLIC SERVICE BOARD

DOCKET NO. 6860

Petitions of Vermont Electric Power Company)
Inc. (VELCO) and Green Mountain Power)
Corporation (GMP) for a certificate of public)
good, pursuant to 30 V.S.A. Section 248,)
authorizing VELCO to construct the so-called)
Northwest Reliability Project)

SUPPLEMENTAL DIRECT

TESTIMONY

OF

DAVID RAPHAEL

ON BEHALF OF THE
VERMONT DEPARTMENT OF PUBLIC SERVICE

May 20, 2004

Summary: Mr. Raphael's testimony addresses whether the Reroute Alternatives for the Northwest Reliability Project, as currently proposed, will have undue adverse effect on aesthetics and scenic beauty.

SUPPLEMENTAL DIRECT TESTIMONY
OF
DAVID RAPHAEL
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1 Q. **Please state your name and business address.**

2 A. My name is David Raphael. My business address is LandWorks, 211 Maple Street
3 MW 26, Middlebury, VT 05753.
4

5 Q. **Have you previously filed testimony in this Docket?**

6 A. Yes. I filed testimony on December 17, 2003 in response to Vermont Electric
7 Power Company's (VELCO) original proposed Northwest Reliability Project.
8

9 Q. **What is the purpose of your supplemental testimony?**

10 A. The purpose of my supplemental testimony is to present the conclusions reached
11 in analyzing the potential aesthetic impacts of the Reroute Alternatives presented
12 for VELCO's proposed Northwest Reliability Project, which is before the
13 Vermont Public Service Board in Docket 6860. I was retained to perform this
14 analysis by the Vermont Department of Public Service as a continuation of my
15 previous analysis on VELCO's original NRP proposal.
16

17 Q. **Please describe the attached exhibits DPS-DR-10, and DPS-DR-11.**

18 A. The attached exhibit DPS-DR-10 contains our review of the impacts of each of
19 the Reroute Alternatives proposed by VELCO. The report includes photographic
20 and cartographic analysis, research and review. Our primary analysis assesses the
21 visibility and potential for visual impacts of each of the reroute alternatives, with
22 a focus on viewsheds from major federal, state or local roads, relationships to

1 nearby areas of public interest, high scenic value and/or official designation as a
2 cultural, aesthetic or recreational facility or resource, road crossings and locations
3 that involve individual residences or residential areas. The report is structured into
4 seven sections. The major sections include: a narrative section (Section II) on the
5 specific areas of highest aesthetic concern; a narrative section comparing the
6 Reroute Alternatives to the Original Proposed NRP Route (Section III); and a
7 Mile by Mile photographic analysis section (Section IV) of each of the Reroute
8 Alternatives. Also included is a section suggesting an additional alternative route
9 in Charlotte near the Waldorf School (Section V).

10
11 The attached exhibit DPS-DR-11 is a single page illustrative comparison of
12 existing and proposed VELCO transmission structures. A related narrative
13 entitled "Assessment of Potential of Variation of Pole Heights" is included in
14 Section VII of the report DPS-DR-10.

15
16 **Q. Does the exhibit DPS-DR-10 include an evaluation of the visual impacts of**
17 **substation lighting?**

18 **A.** Yes. The evaluation of visual impacts of substation lighting comes in Section VI
19 of the report.

20
21 **Q: Does this conclude your testimony?**

22 **A:** Yes.